

ORIGINAL

PATENT  
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PTO Customer No. 28,827

A

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

J1059 U.S. PTO  
10/29/01

APPLICANT: Schulhoff et al. )  
SERIAL NO.: n/a )  
FILED: n/a )  
FOR: COMPOSITION FOR CLEANING )  
SURFACES )  
LAW OFFICE: n/a )  
EXAMINER: n/a )

PRELIMINARY AMENDMENT

BOX New Divisional Patent Application - FEE  
Assistant Commissioner for Patents  
Washington, D.C. 20231

This paper is submitted as preliminary amendment to the above-styled application. If any extension fee or other fee is required by virtue of the filing of this paper, please also consider this a general authorization to charge Deposit Account No. 50-1971 for the same.

AMENDMENTS

In accordance with 37 C.F.R. 1.121(c), please enter the following claims and various portions of the written description in substitution for those claims and portions of the written description as set forth below. A "clean copy" of the claims is appended hereto.

In the "Reference to Pending Applications" please replace as follows:

### **Reference to Pending Applications**

This application is a divisional application of United States Patent Application No. 09/584,892 filed on June 1, 2000 entitled A COMPOSITION AND METHOD FOR CLEANING SURFACES (will be USPN 6,309,470 on 10/30/01) which is a continuation-in-part of United States Patent Application No. 09/324,383 filed on June 2, 1999 entitled A COMPOSITION AND METHOD FOR CLEANING DRINK WATER TANKS (allowed on 09/10/01 and issue fee will be paid).

In the "Detailed Description of the Preferred Embodiments" please replace basic formula tables found on pages 4-6 as follows:

<b>Ingredients</b>	<b>Weight Percentage (Range/Preferred)</b>
Sulfamic Acid	0 - 20%/2.0%
Citric Acid	0 - 10%/10.0%
Glycolic Acid	0 - 15%/14.6%
Phosphoric Acid	0 - 13%/12.9%
Hydrochloric Acid	0 - 10%/10.0%
Dyes	0 - 0.01%/0.009%
Water	Balance

Additional formulas include:

<b>Ingredients</b>	<b>Weight Percentage (Range/Preferred)</b>
Hydrochloric Acid	0 - 20%/9.0%
Citric Acid	0 - 1.5%/0.4%
Glycolic Acid	0 - 15%/14.6%
Phosphoric Acid	0 - 4%/2.0%
Triethylene glycol	0 - 1.0%/0.50%
Water	Balance

II.

Ingredients	Weight Percentage (Range)
Sulfamic Acid	0 - 20%
Hydrochloric Acid	0 - 20.0%
Phosphoric Acid	0 - 20.0%
Inhibitor	0 - 1.0%
Isopropanol	0 - 1.0%
Water	Balance

III.

Ingredients	Weight Percentage (Range)
Phosphoric Acid	5.0% - 20.0%
Inhibitor	0 - 1.0%
Isopropanol	0 - 1.0%
Water	Balance

In the Claims:

Cancel Claims 2-15.

*Due to Amendments entered on parent applications and to avoid confusion of the claims, the following new claims are given new numbering as indicated below.*

Please add new Claims 27-39, as follows:

27. The composition of claim 1 wherein said cleaning solution portion is in a range of 90 to 99.9% by volume of the total volume of the composition and said disinfectant portion is in a range of 0.1 to 10.0% by volume of the total volume of the composition.
28. The composition of claim 1 wherein said disinfectant portion is peracidic acid.
29. The composition of claim 1 wherein said disinfectant portion is hydrogen peroxide.

30. The composition of claim 1 wherein said cleaning solution portion is selected from the group consisting of sulfamic acid, citric acid, glycolic acid, phosphoric acid, hydrochloric acid, inhibitors, dyes and water.
31. The composition of claim 30 wherein said cleaning solution portion is in a range of 90 to 99.9% by volume of the total volume of the composition and said disinfectant portion is in a range of 0.1 to 10.0% by volume of the total volume of the composition.
32. The composition of claim 1 wherein said cleaning solution portion is selected from the group consisting of and having a volume in the range of the following:
- sulfamic acid, 0-20%;
  - citric acid, 0-10.0%;
  - glycolic acid, 0-15%;
  - phosphoric acid, 0-13%;
  - hydrochloric acid, 0-10.0%;
  - dyes, 0-0.01%; and
  - water as the balance.
33. The composition of claim 32 wherein said cleaning solution portion is in a range of 90 to 99.9% by volume of the total volume of the composition and said disinfectant portion is in a range of 0.1 to 10.0% by volume of the total volume of the composition.
34. The composition of claim 1 wherein said cleaning solution portion is selected from the group consisting of and having a volume in the range of the following:
- hydrochloric acid, 0-20.0%;
  - citric acid, 0-1.5%;
  - glycolic acid, 0-15%;
  - phosphoric acid, 0-4%;
  - triethylene glycol, 0-1.0%; and
  - water as the balance.

35. The composition of claim 34 wherein said cleaning solution portion is in a range of 90 to 99.9% by volume of the total volume of the composition and said disinfectant portion is in a range of 0.1 to 10.0% by volume of the total volume of the composition.
36. The composition of claim 1 wherein said cleaning solution portion is selected from the group consisting of and having a volume in the range of the following:
- sulfamic acid, 0-20%;
  - hydrochloric acid, 0-20.0%;
  - phosphoric acid, 0-4%;
  - isopropanol, 0-1%;
  - inhibitor; 0-1.0%; and
  - water as the balance.
37. The composition of claim 36 wherein said cleaning solution portion is in a range of 90 to 99.9% by volume of the total volume of the composition and said disinfectant portion is in a range of 0.1 to 10.0% by volume of the total volume of the composition.
38. The composition of claim 1 wherein said cleaning solution portion is selected from the group consisting of and having a volume in the range of the following:
- phosphoric acid, 0-20%;
  - isopropanol, 0-1%;
  - inhibitor; 0-1.0%; and
  - water as the balance.
39. The composition of claim 38 wherein said cleaning solution portion is in a range of 90 to 99.9% by volume of the total volume of the composition and said disinfectant portion is in a range of 0.1 to 10.0% by volume of the total volume of the composition.

**REMARKS**

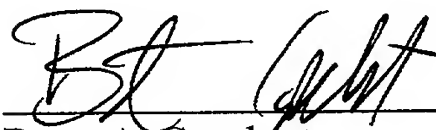
This is a divisional application based on United States Patent Application No. 09/584,892 filed on June 1, 2000 entitled A COMPOSITION AND METHOD FOR CLEANING SURFACES. During the prosecution of '892 application, a restriction was directed toward either claims 1-12 (Group I) or claims 13-15 (Group II). Applicant chose to prosecute the Group II claims. This preliminary amendment hereby cancels those claims contained in Group II and further amends the claims contained in Group I to address issues raised during the prosecution of the Group II claims. Therefore, remaining in the case is independent Claim 1 with new dependant Claims 27-39. Applicant believes that the pending claims are in a condition for allowance.

The Assignment and Small Entity filed in the parent application still stand and should continue to hold with the filing of this divisional application. Due to a change of law firm for applicant's attorney, attached are new Declaration/Power of Attorney and Change of Address Form. Should any further formal documents be required, please contact undersigned.

Based on the above, Applicant respectfully submits that the application is in condition for registration and reconsideration is requested. If the Examining Attorney has any questions or comments or if further clarification is required, it is requested that he/she contact the undersigned.

Attached is a check in the amount of \$370 to cover the filing fee for this application. The Commissioner is hereby authorized to credit any overpayment or debit any additional fees which might be due under 37 C.F.R. 1.16 or 1.17 during the pendency of this application to undersigned's Deposit Account No. 50-1971.

Respectfully submitted,



Brent A. Capehart

October 28, 2001

Registration No. 39,620

PTO Customer No.: 28,827

**CERTIFICATE OF EXPRESS MAILING  
UNDER 37 CFR 1.10**

I hereby certify that this document and any document referred to as being attached therein is being deposited with the U.S. Postal Service in an envelope as "Express Mail Post Office to Addressee," Mailing Label No. EJ205074853US, addressed to: Box New Divisional Patent Application-FEE, Assistant Commissioner for Patents, Washington, D.C. 20231, on 29 October 2001.

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## CLEAN CLAIMS

*Per 37 CFR 1.121(c) the following is a set of 'clean claims' as required. These claims reflect suggested changes in the attached amendment.*

- 1 1. A composition for cleaning surfaces having deposits comprising:
  - 2 a cleaning solution portion; and
  - 3 a disinfectant portion.
- 1 27. The composition of claim 1 wherein said cleaning solution portion is in a range of 90 to  
2 99.9% by volume of the total volume of the composition and said disinfectant portion is  
3 in a range of 0.1 to 10.0% by volume of the total volume of the composition.
- 1 28. The composition of claim 1 wherein said disinfectant portion is peracidic acid.
- 1 29. The composition of claim 1 wherein said disinfectant portion is hydrogen peroxide.
- 1 30. The composition of claim 1 wherein said cleaning solution portion is selected from the  
2 group consisting of sulfamic acid, citric acid, glycolic acid, phosphoric acid, hydrochloric  
3 acid, inhibitors, dyes and water.
- 1 31. The composition of claim 30 wherein said cleaning solution portion is in a range of 90 to  
2 99.9% by volume of the total volume of the composition and said disinfectant portion is  
3 in a range of 0.1 to 10.0% by volume of the total volume of the composition.



1 32. The composition of claim 1 wherein said cleaning solution portion is selected from the  
2 group consisting of and having a volume in the range of the following:  
3 sulfamic acid, 0-20%;  
4 citric acid, 0-10.0%;  
5 glycolic acid, 0-15%;  
6 phosphoric acid, 0-13%;  
7 hydrochloric acid, 0-10.0%;  
8 dyes, 0-0.01%; and  
9 water as the balance.

1 33. The composition of claim 32 wherein said cleaning solution portion is in a range of 90 to  
2 99.9% by volume of the total volume of the composition and said disinfectant portion is  
3 in a range of 0.1 to 10.0% by volume of the total volume of the composition.

1 34. The composition of claim 1 wherein said cleaning solution portion is selected from the  
2 group consisting of and having a volume in the range of the following:  
3 hydrochloric acid, 0-20.0%;  
4 citric acid, 0-1.5%;  
5 glycolic acid, 0-15%;  
6 phosphoric acid, 0-4%;  
7 triethylene glycol, 0-1.0%; and  
8 water as the balance.

1 35. The composition of claim 34 wherein said cleaning solution portion is in a range of 90 to  
2 99.9% by volume of the total volume of the composition and said disinfectant portion is  
3 in a range of 0.1 to 10.0% by volume of the total volume of the composition.

1 36. The composition of claim 1 wherein said cleaning solution portion is selected from the

2 group consisting of and having a volume in the range of the following:

3 sulfamic acid, 0-20%;  
4 hydrochloric acid, 0-20.0%;  
5 phosphoric acid, 0-4%;  
6 isopropanol, 0-1%;  
7 inhibitor; 0-1.0%; and  
8 water as the balance.

1 37. The composition of claim 36 wherein said cleaning solution portion is in a range of 90 to  
2 99.9% by volume of the total volume of the composition and said disinfectant portion is  
3 in a range of 0.1 to 10.0% by volume of the total volume of the composition.

1 38. The composition of claim 1 wherein said cleaning solution portion is selected from the  
2 group consisting of and having a volume in the range of the following:  
3 phosphoric acid, 0-20%;  
4 isopropanol, 0-1%;  
5 inhibitor; 0-1.0%; and  
6 water as the balance.

1 39. The composition of claim 38 wherein said cleaning solution portion is in a range of 90 to  
2 99.9% by volume of the total volume of the composition and said disinfectant portion is  
3 in a range of 0.1 to 10.0% by volume of the total volume of the composition.